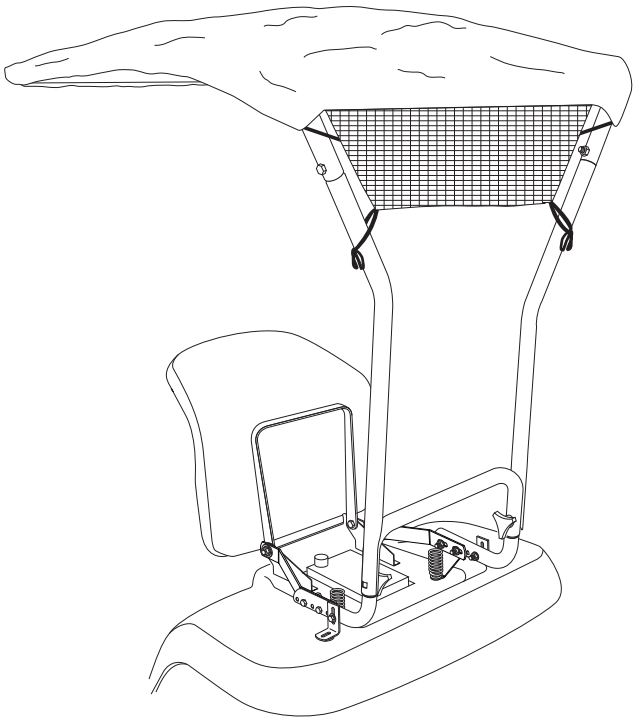
Operator's Manual

CRAFTSMAN®

SUN SHADE

Model No. 486.242101

(For Source 247. Tractors)



STOP

DO NOT RETURN TO STORE
For Missing Parts or Assembly
Questions Call 1-866-576-8388

CAUTION:
Before using this product, read this manual and follow all Safety Rules and Operating Instructions.

TOOLS NEEDED FOR ASSEMBLY
7/16" Wrenches (2)
1/2" Wrench (2)
5/8" Wrench (1)
1/2" Socket Wrench and Extension (1)

Sears Brands Management Corporation, Hoffman Estates, IL 60179 U.S.A.
www.sears.com/craftsman

PRINTED IN U.S.A.

FORM NO. 41990 rev. (10/29/12)

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SAFETY

Any power equipment can cause injury if operated improperly or if the user does not understand how to operate the equipment. Exercise caution at all times when using power equipment.

- This sun shade does not provide protection against exhaust fumes, collision, rollover or other accidents.
- Read the sun shade and vehicle owner's manuals and know how to operate your vehicle and sun shade before using the sun shade attachment.
- Be sure there is adequate ventilation when using the tractor and sun shade in confined areas.
- The sun shade will restrict your field of vision in some directions. Use extra caution when operating your tractor with the sun shade attached.
- Watch out for low tree limbs or other overhead obstructions that may not previously have interfered with operation of the tractor. The extra height of the sun shade may cause these objects to become obstacles.
- Check the area of operation thoroughly before using the tractor.

Look for this symbol to point out important safety precautions. It means — **Attention!! Become alert!! Your safety is involved.**

WARRANTY

CRAFTSMAN ONE YEAR FULL WARRANTY

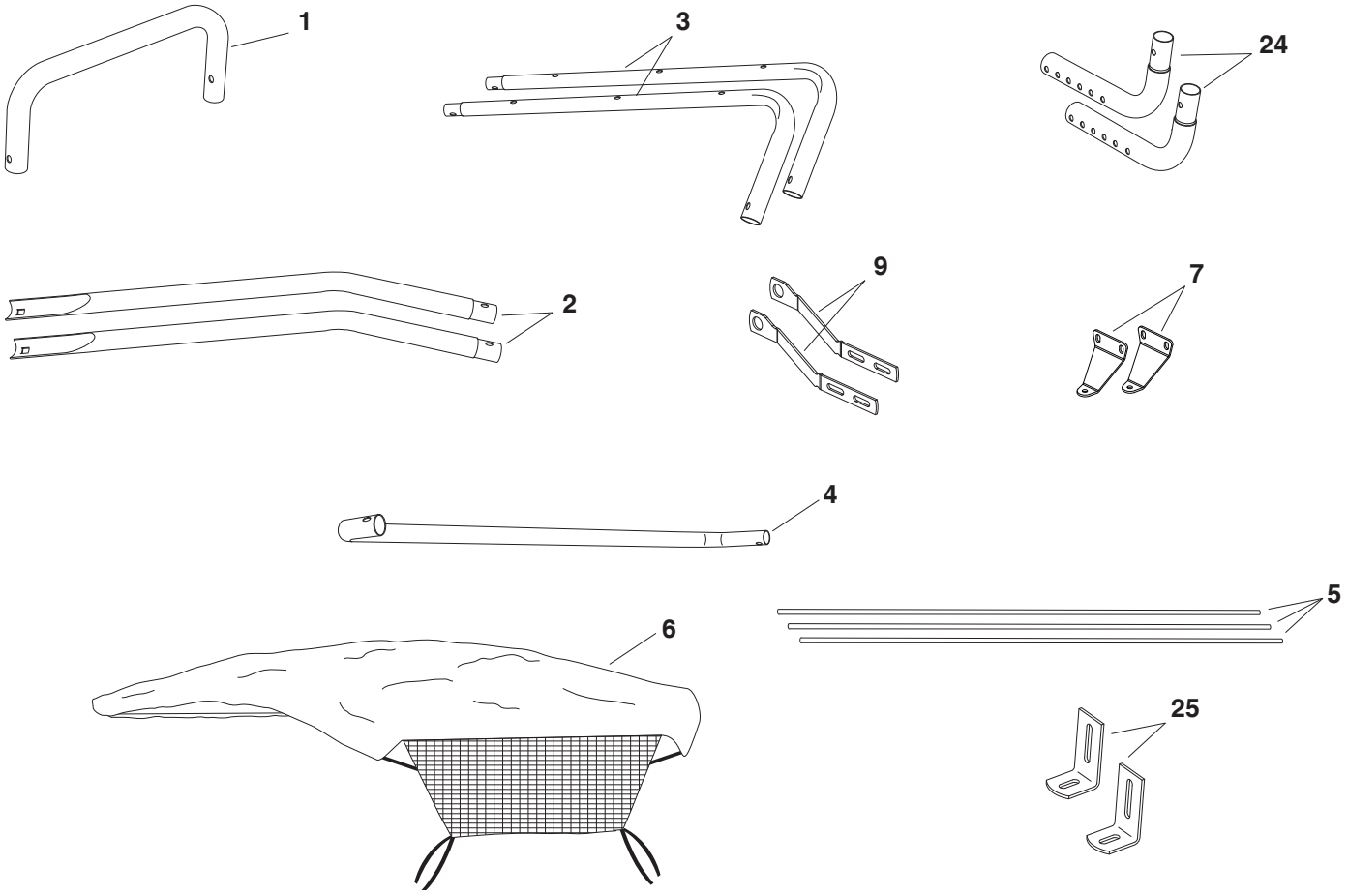
FOR ONE YEAR from the date of purchase, this product is warranted against any defects in material or workmanship. A defective product will be replaced free of charge.
For warranty coverage details to obtain free replacement, visit the web site: www.craftsman.com
This warranty is void if this product is ever used while providing commercial services or if rented to another person.
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears Brands Management Corporation, Hoffman Estates, IL 60179

DO NOT RETURN TO STORE for Missing Parts or Assembly Questions
Call 1-866-576-8388 Attachment Hotline

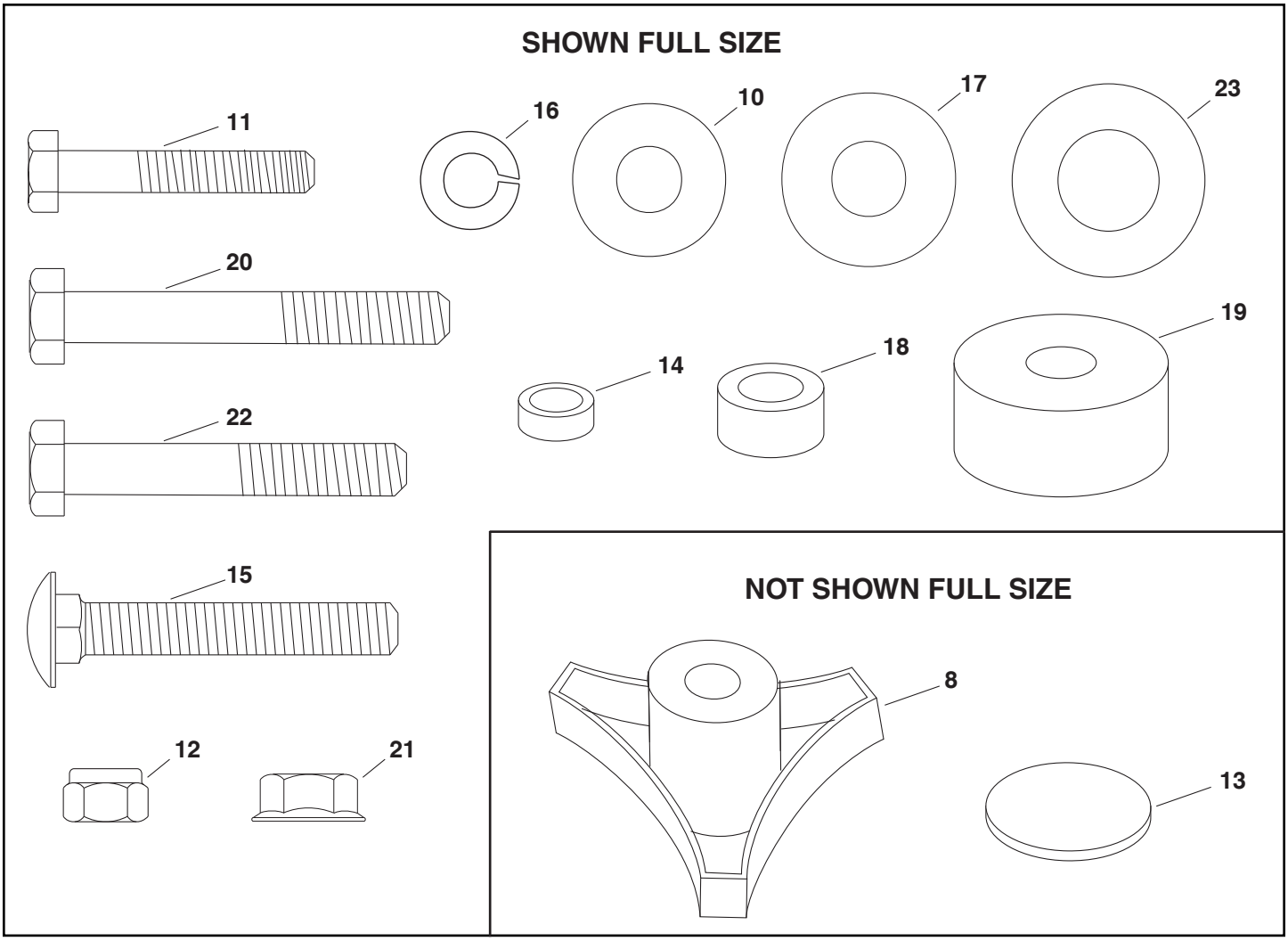
The model number and serial numbers will be found on a decal attached to the base assembly. You should record both the serial number and the date of purchase and keep in a safe place for future reference.	MODEL NUMBER: 486.242101 SERIAL NUMBER: _____ DATE OF PURCHASE: _____

CARTON CONTENTS



REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1	49242	1	Base Top Tube	7	27017	2	Mount Bracket
2	25014	2	Upright Tube	9	27263	2	Support Bracket
3	25013	2	Top Tube	24	49325	2	Base Leg Tube
4	25012	1	U-Tube	25	25304	2	Rear Base Support Bracket
5	25015	3	Support Rod				Hardware Pack (see page 4)
6	48660	1	Vinyl Canopy				

HARDWARE CHART



REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
8	43720	2	Plastic Knob	17	43070	2	Washer, 3/8"
10	43081	6	Flat Washer, 5/16"	18	23625	4	Spacer, .38 ID x .62 OD x .27 L
11	43648	4	Hex Bolt, 1/4-20 x 1-1/2"	19	44911	2	Spacer, .41 ID x 1.25 OD x .5 L
12	47189	4	Nylock Nut, 1/4-20	20	43224	4	Hex Bolt, 5/16-18 x 2-1/4"
13	48661	4	Adhesive Pad	21	46584	6	Hex Nut, 5/16-18 Whiz Lock
14	25357	2	Spacer, .31 ID x .44 OD x .14 L.	22	44180	4	Hex Bolt, 5/16-18 x 2"
15	44977	2	Carriage Bolt, 5/16-18 x 2"	23	41370	2	Washer, .59 ID x 1.125 OD
16	43086	2	Lock Washer, 5/16"				

NOTE: Not all of the supplied parts and hardware will be needed for one particular tractor. Unneeded items may be discarded after assembly has been completed.

NOTE: Most fasteners are readily available through any hardware store.

ASSEMBLY INSTRUCTIONS FOR (LT) LAWN TRACTORS (with 7-1/2" between the seat hinge and the seat springs)

If you have a (YT) Yard Tractor or (GT) Garden Tractor, skip to page 10.
(Models 247.28888, 247.28880, 247.28981, 247.28980, 247.28672, 247.28984).

If you have a (LT) Lawn Tractor, go to step 1 below.

STEP 1: (Figure 1)

IDENTIFY THE TYPE SEAT YOU HAVE.
Raise the seat and measure the distance between the hinge bolts and the center of the seat springs. If the distance measures 7-1/2", **go to step 2 below**.

If the distance measures 9-1/2", **skip to page 8**.

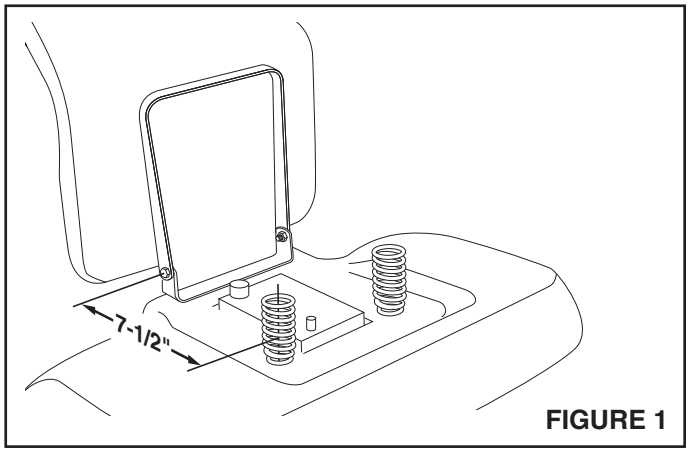


FIGURE 1

STEP 2: (Figure 2)

Remove the seat springs and bolts from the tractor.

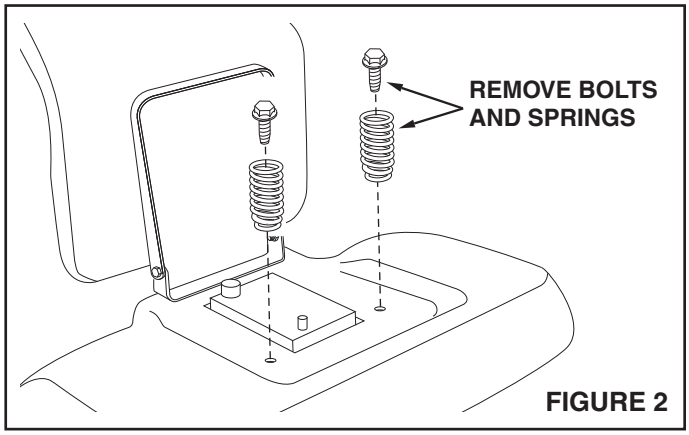


FIGURE 2

STEP 3: (Figure 3)

Loosely attach a mount bracket to each base leg tube using one bolt and nut. **Do not tighten yet.**

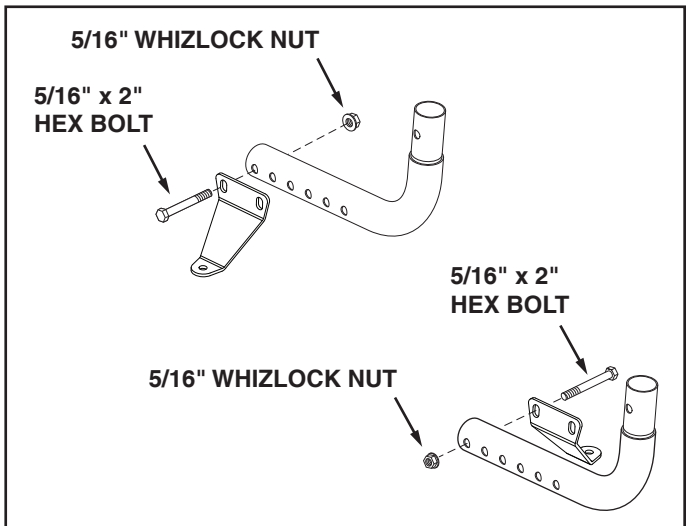


FIGURE 3

ASSEMBLY INSTRUCTIONS FOR (LT) LAWN TRACTORS (with 7-1/2" between the seat hinge bolts and the seat springs)

STEP 4: (Figure 4)

Loosely attach a support bracket to each assembled mount bracket and base leg tube. **Do not tighten yet.**

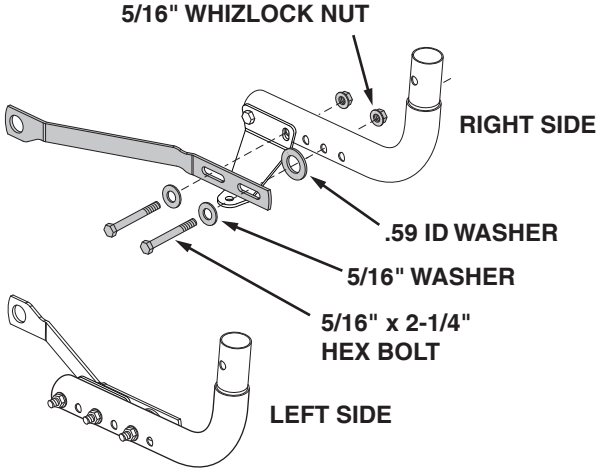


FIGURE 4

STEP 5: (Figure 5)

Attach the support brackets to the bolts and nuts in the seat brackets. **Tighten.**

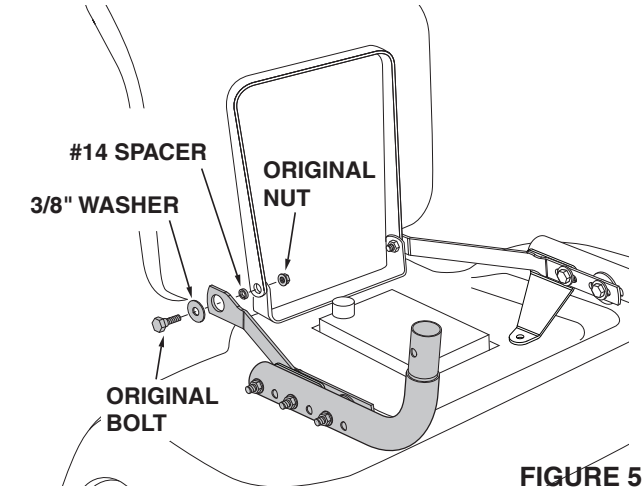


FIGURE 5

STEP 6: (Figure 6)

Loosely attach the seat springs to the mount brackets and the rear fender. **Do not tighten yet.**

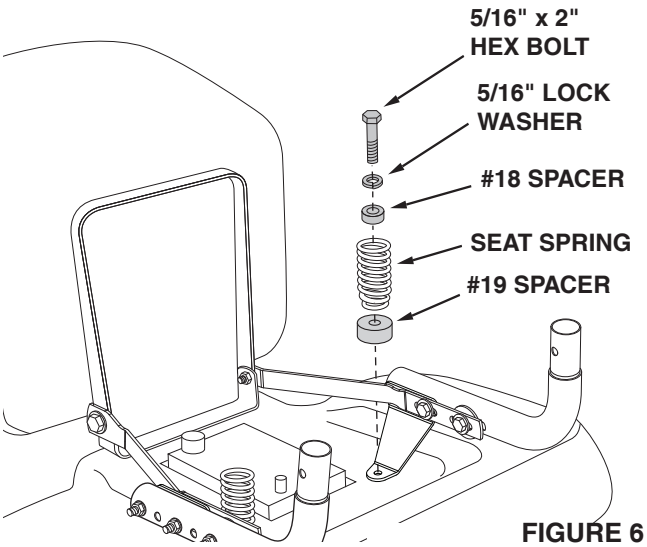


FIGURE 6

ASSEMBLY INSTRUCTIONS FOR (LT) LAWN TRACTORS (with 7-1/2" between the seat hinge bolts and the seat springs)

STEP 7: (Figure 7)

Attach an adhesive pad to the bottom of each rear base support bracket.

Remove the nut from the rear bolt in each base support tube. Use the nut to loosely attach a rear base support bracket to the outside of each base leg tube. Push the bracket down against the fender. **Do not tighten yet.**

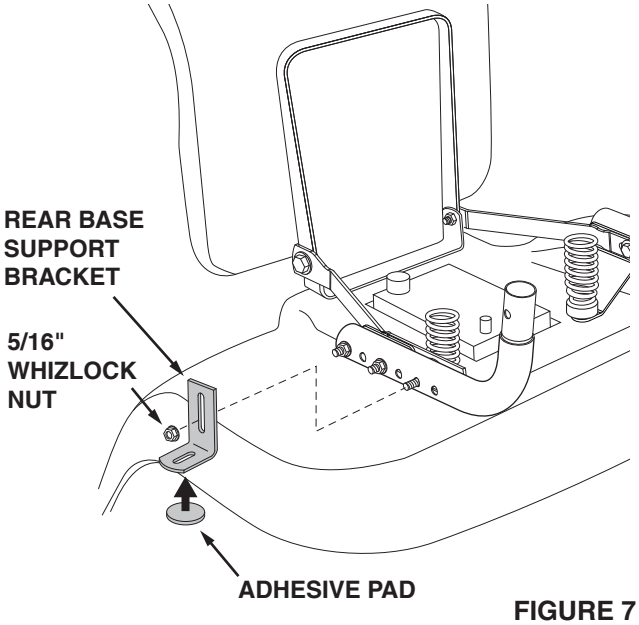


FIGURE 7

STEP 8: (Figure 8)

Assemble the base top tube onto the base leg tubes.

STEP 9: (Figure 8)

Tighten all loose bolts and nuts.

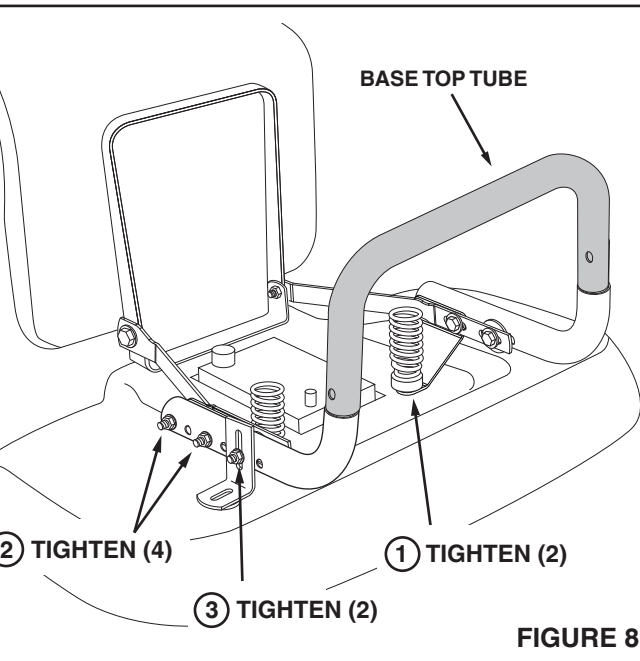


FIGURE 8

PROCEED TO PAGE 13

ASSEMBLY INSTRUCTIONS FOR (LT) LAWN TRACTORS (with 9-1/2" between the seat hinge bolts and the seat springs)

Skip to page 10 if you have a Craftsman Professional (YT) Yard Tractor or (GT) Garden Tractor. (Models 247.28888, 247.28880, 247.28981, 247.28980, 247.28672, 247.28984).

STEP 1: (Figure 9)

FOR (LT) LAWN TRACTORS WITH A 9-12" DISTANCE FROM THE HINGE BOLT TO THE SEAT SPRING
Raise the tractor seat and remove the seat springs and bolts.

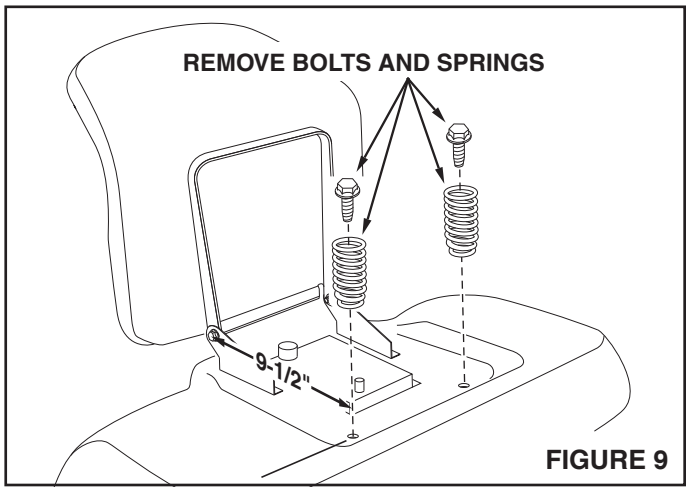


FIGURE 9

STEP 2: (Figure 10)

Loosely fasten together two sets of mount brackets, support brackets and base leg tubes. **Do not tighten yet.**

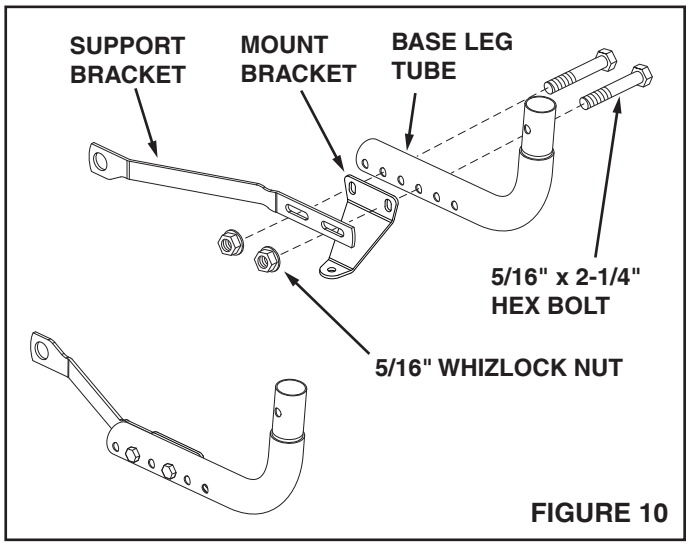


FIGURE 10

STEP 3: (Figure 11)

Attach the support brackets to the bolts and nuts in the seat brackets. **Tighten.**

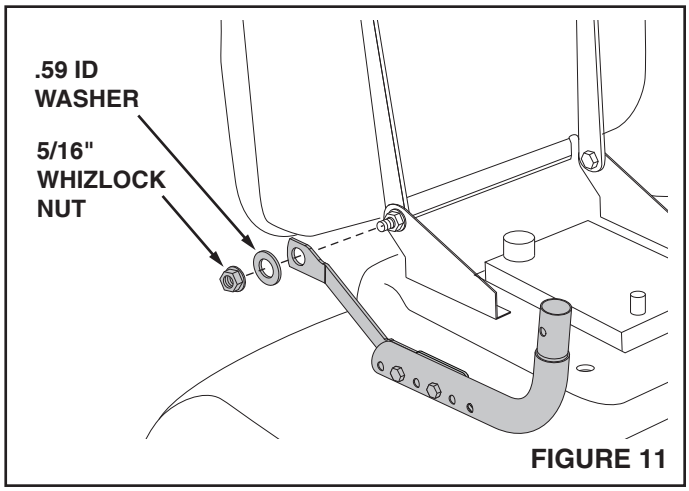


FIGURE 11

ASSEMBLY INSTRUCTIONS FOR (LT) LAWN TRACTORS
(with 9-1/2" between the seat hinge bolts and the seat springs)

STEP 4: (Figure 12)

Loosely attach the seat springs and the mount brackets to the rear fender using the original bolts. **Do not tighten yet.**

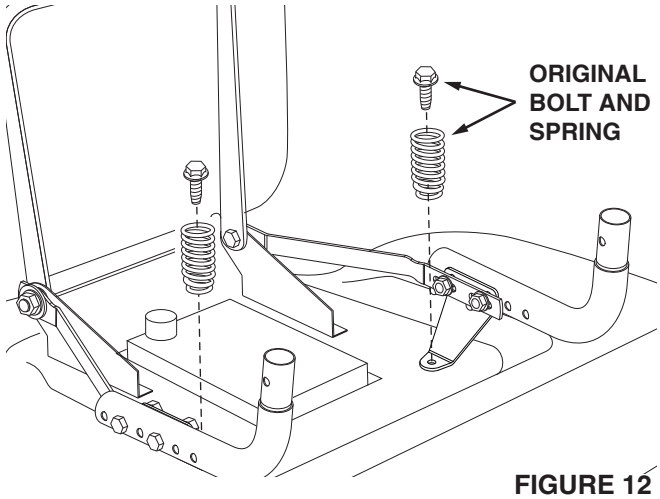


FIGURE 12

STEP 5: (Figure 13)

Attach an adhesive pad to the bottom of each rear base support bracket.

Loosely attach a rear base support bracket to the outside of each base leg tube. **Do not tighten yet.**

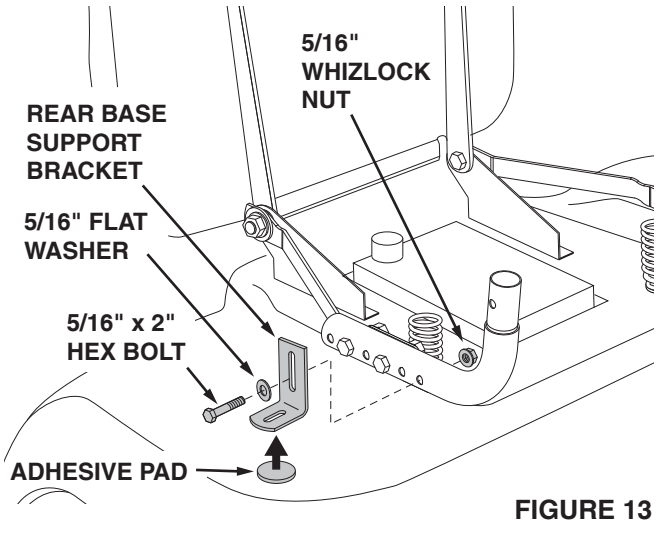


FIGURE 13

STEP 6: (Figure 14)

Assemble the base top tube onto the base leg tubes.

STEP 7: (Figure 14)

Tighten all loose bolts and nuts.

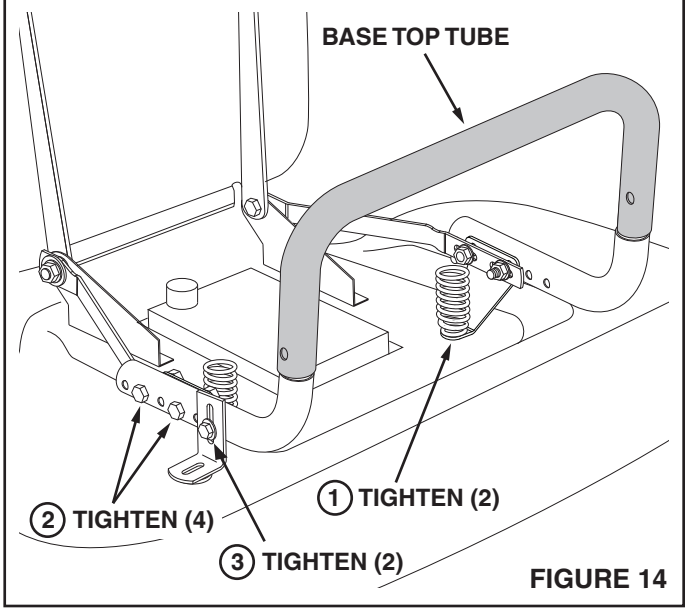


FIGURE 14

PROCEED TO PAGE 13

ASSEMBLY INSTRUCTIONS FOR CRAFTSMAN PROFESSIONAL (YT) YARD TRACTORS AND (GT) GARDEN TRACTORS

(Models 247.28888, 247.28880, 247.28981, 247.28980, 247.28672, 247.28984).

STEP 1: (Figure 15)

Raise the tractor seat and remove the springs from the rear fender. The original bolts can be stored, they will not be used with the sun shade.

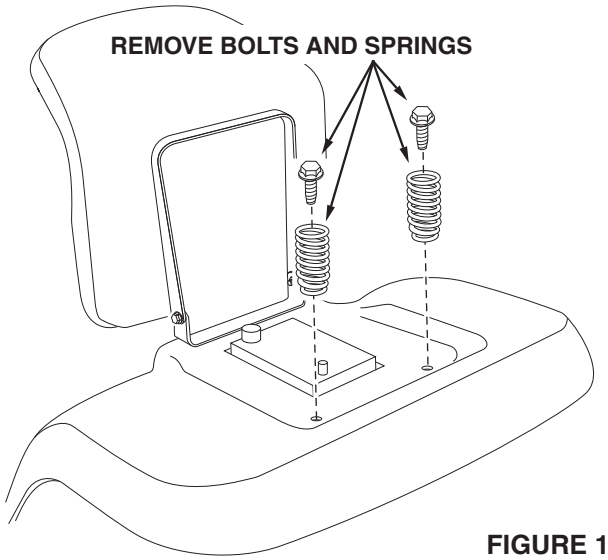


FIGURE 15

STEP 2: (Figure 16)

Loosely fasten together two sets of mount brackets, #18 spacers, support brackets and base leg tubes. **Do not tighten yet.**

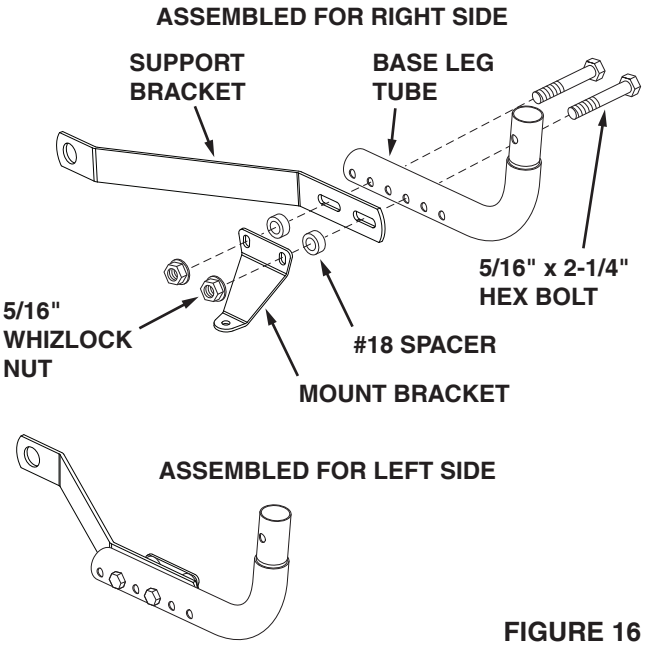


FIGURE 16

STEP 3: (Figure 17)

Remove the original bolt and nut from only one side of the seat bracket.

Insert a small spacer into the empty hole in the seat bracket.

Attach the end of an assembled support bracket to the seat bracket. **Tighten.**

Repeat this step for other side of seat bracket.

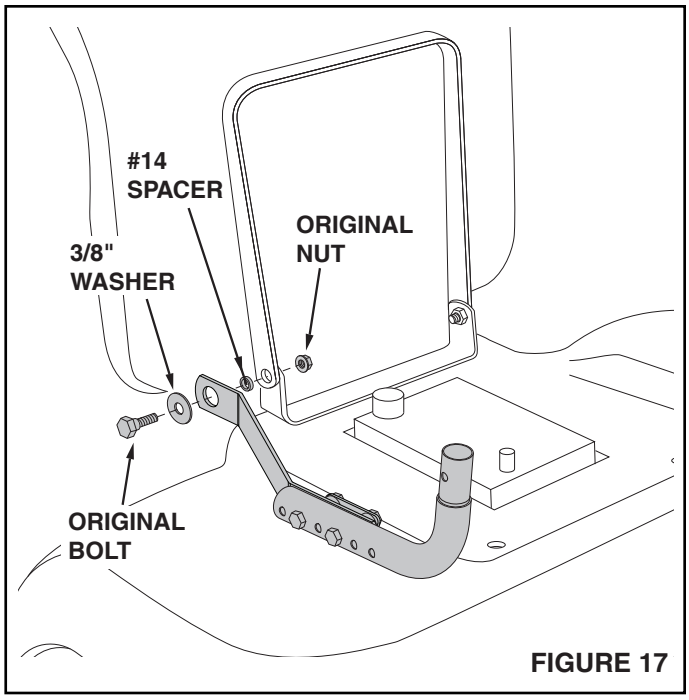


FIGURE 17

STEP 4: (Figure 18)

Place a large spacer over each spring mount hole in the fender.

Place the assembled mount brackets and the springs on top of the spacers. Loosely attach them to the fender. **Do not tighten yet.**

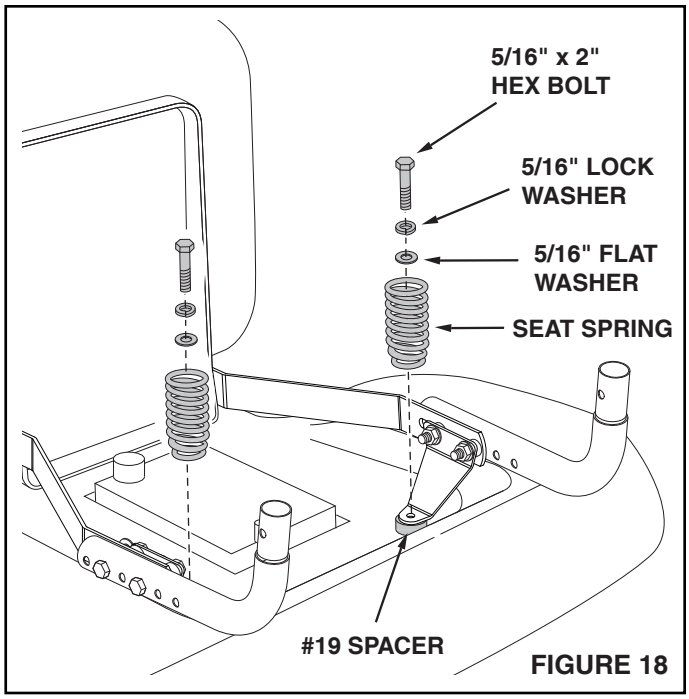


FIGURE 18

STEP 5: (Figure 19)

Attach an adhesive pad to the bottom of each rear base support bracket.

Loosely attach a rear base support bracket to the outside of each base leg tube. **Do not tighten yet.**

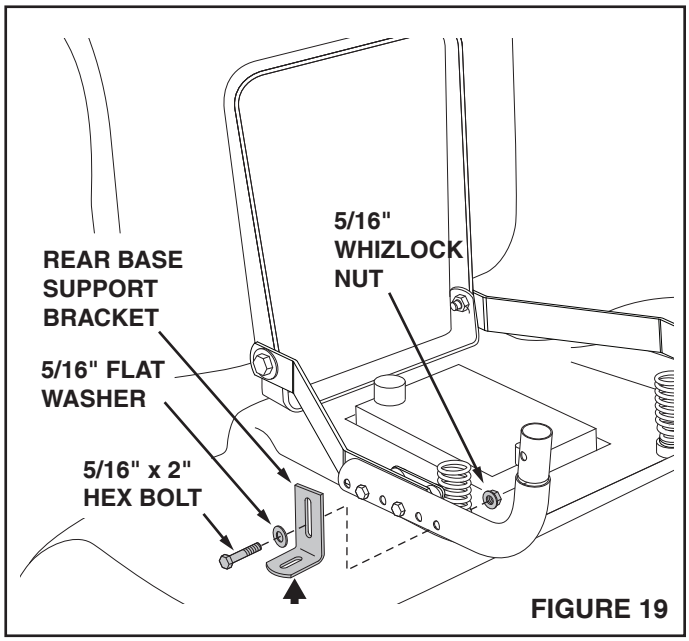


FIGURE 19

STEP 6: (Figure 20)

Assemble the base top tube onto the base leg tubes.

STEP 7: (Figure 20)

Tighten all loose bolts and nuts.

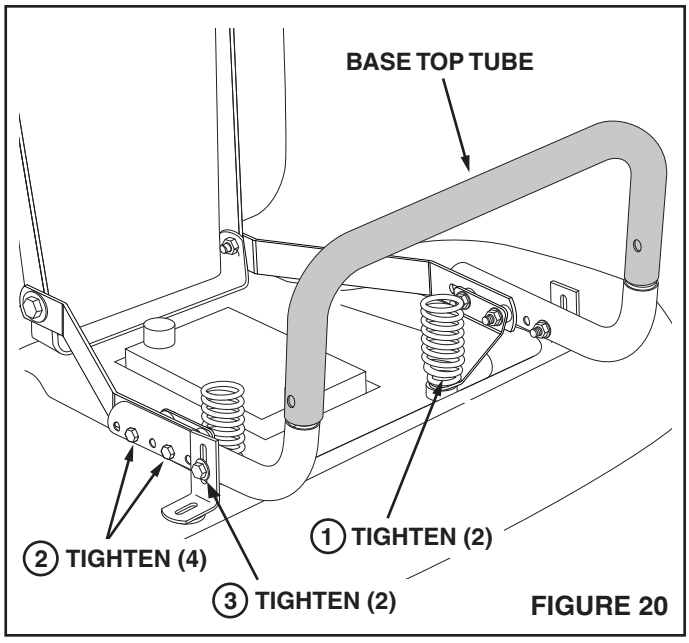


FIGURE 20

PROCEED TO PAGE 13

CANOPY INSTALLATION FOR ALL TRACTORS

STEP 1: (Figure 21)

Assemble the upright tubes to the base assembly.

NOTE: If holes are difficult to align, loosen bolts attaching base leg tubes to mounting bracket(s). If hole alignment is still difficult, loosen bolts attaching mounting bracket to rear fender. Retighten all bolts when finished.

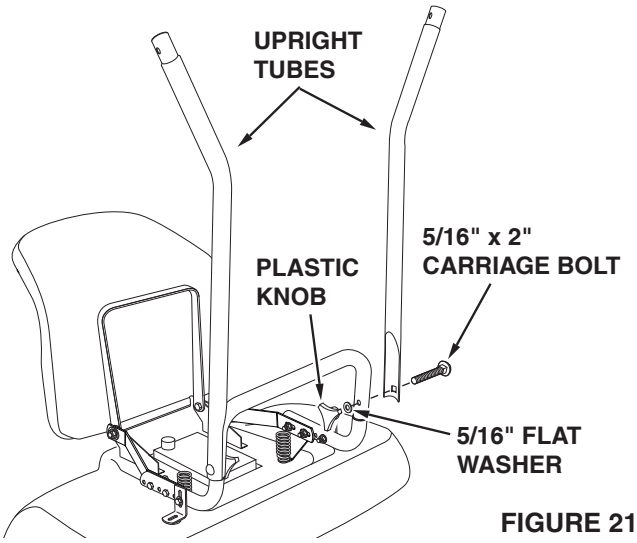


FIGURE 21

STEP 2: (Figure 22)

Assemble the top tubes to the upright tubes. **Do not tighten yet.**

STEP 3: (Figure 22)

Fit the front U-tube onto the top tubes. Fasten the tubes together. **Tighten all** loose bolts and nuts.

STEP 4: (Figure 22)

Fit the three support rods into the holes in the top tubes, with the rods arching upward. **Do not** over-bend the rods when installing.

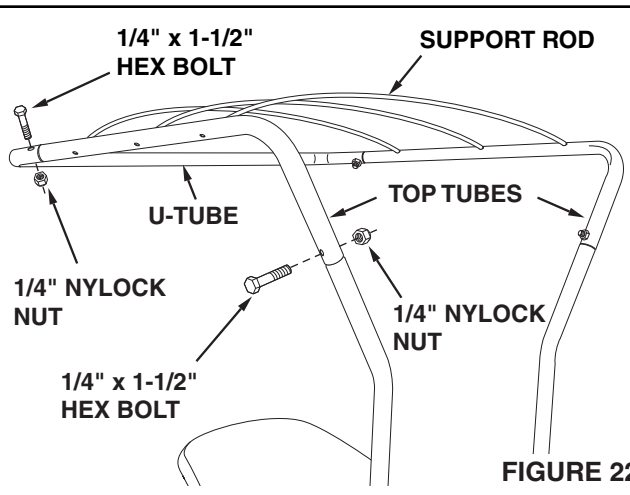


FIGURE 22

STEP 5: (Figure 23)

Place the vinyl canopy on top of the tubing frame, fitting the front of the vinyl canopy around the front U-tube. Secure the nylon mesh to the upright tubes using the ties located on the corners of the mesh.

CAUTION: Make sure tractor seat raises and lowers freely after attaching Sun Shade. The tractor's operator presence safety switch will not operate if seat is stuck down.

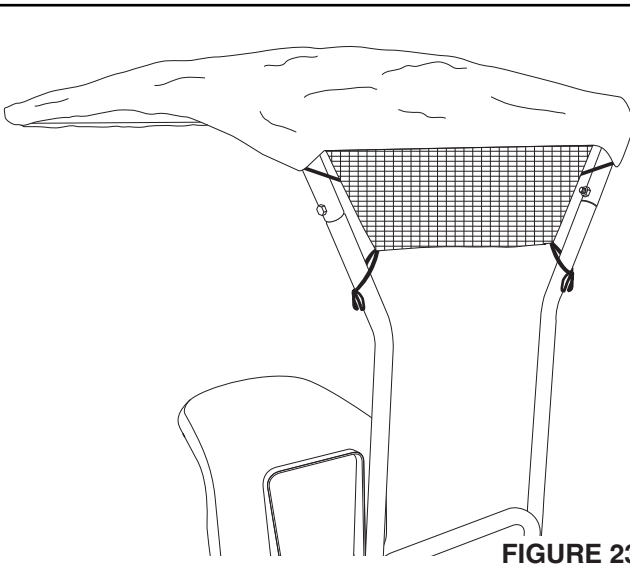


FIGURE 23

OPERATION

Read this owner's manual and safety rules before operating your tractor with the sun shade.

CAUTION: This sun shade does not provide protection against exhaust fumes, collision, rollover or other accidents.

CAUTION: Watch out for low tree limbs and other overhead objects which may interfere with the sun shade.

CAUTION: Never transport the tractor in an open truck or open trailer while the sun shade is attached.

Check the area of operation thoroughly before using the tractor with the sun shade. The added height of the sun shade and a reduced field of vision require extra caution during operation.

Remove the upper sun shade frame and canopy before you transport the tractor in an open truck or open trailer.

MAINTENANCE/STORAGE

CUSTOMER RESPONSIBILITIES

Read and follow the maintenance schedule and the maintenance procedures listed in this section.

MAINTENANCE SCHEDULE Fill in dates as you complete regular service.	Before each use	After each use	Every season	Before storage	Service Dates										
Check for loose fasteners	X														
Cleaning		X		X											

CHECK FOR LOOSE FASTENERS

Before each use make a thorough visual check of the sun shade for any bolts and nuts which may have loosened. Retighten any loose bolts and nuts.

CLEANING

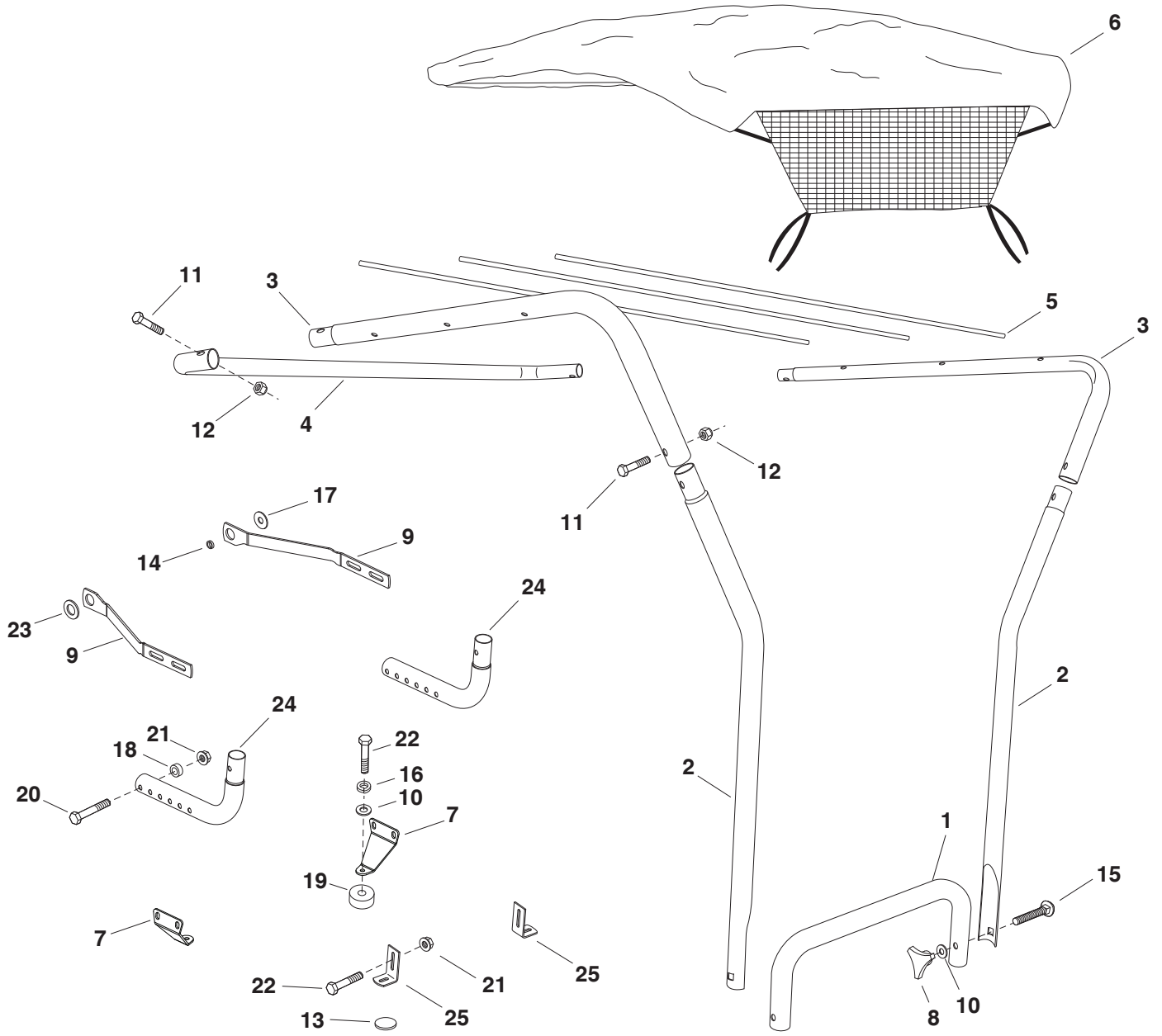
Wipe loose dirt and debris from the vinyl canopy after each use. The vinyl canopy can be washed using mild liquid soap and water.

STORAGE

Clean the vinyl canopy thoroughly with mild liquid soap and water. Allow to dry before storing.

Store the sun shade in a clean, dry area away from direct sun light.

REPAIR PARTS FOR MODEL 71-242101 SUN SHADE



REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1	49242	1	Base Top Tube	14	25357	2	Spacer, .31 ID x .44 OD x .14 L.
2	25014	2	Upright Tube	15	44977	2	Carriage Bolt, 5/16-18 x 2"
3	25013	2	Top Tube	16	43086	2	Lock Washer, 5/16"
4	25012	1	U-Tube	17	43070	2	Washer, 3/8"
5	25015	3	Support Rod	18	23625	4	Spacer, .38 ID x .62 OD x .27 L
6	48660	1	Vinyl Canopy	19	44911	2	Spacer, .41 ID x 1.25 OD x .5 L
7	27017	2	Mount Bracket	20	43224	4	Hex Bolt, 5/16-18 x 2-1/4"
8	43720	2	Plastic Knob	21	46584	6	Hex Nut, 5/16-18 Whiz Lock
9	27263	2	Support Bracket	22	44180	4	Hex Bolt, 5/16-18 x 2"
10	43081	4	Flat Washer, 5/16"	23	41370	2	Washer, .59 ID x 1.125 OD
11	43648	4	Hex Bolt, 1/4-20 x 1-1/2"	24	49325	2	Base Leg Tube
12	47189	4	Nylock Nut, 1/4-20	25	25304	2	Rear Base Support Bracket
13	48661	4	Adhesive Pad		41990	1	Owner's Manual

NOTE: Most fasteners are readily available through any hardware store.

To order replacement parts, call Sears Parts Direct 1-800-252-1698
or go to www.searspartsdirect.com